A scenic landscape featuring a wide river or lake in the foreground, with a small boat in the distance. The background shows rolling mountains under a soft, hazy sky, suggesting a sunset or sunrise. The overall tone is peaceful and natural.

Natural Resource Management Strategy

Buff L. Crosby

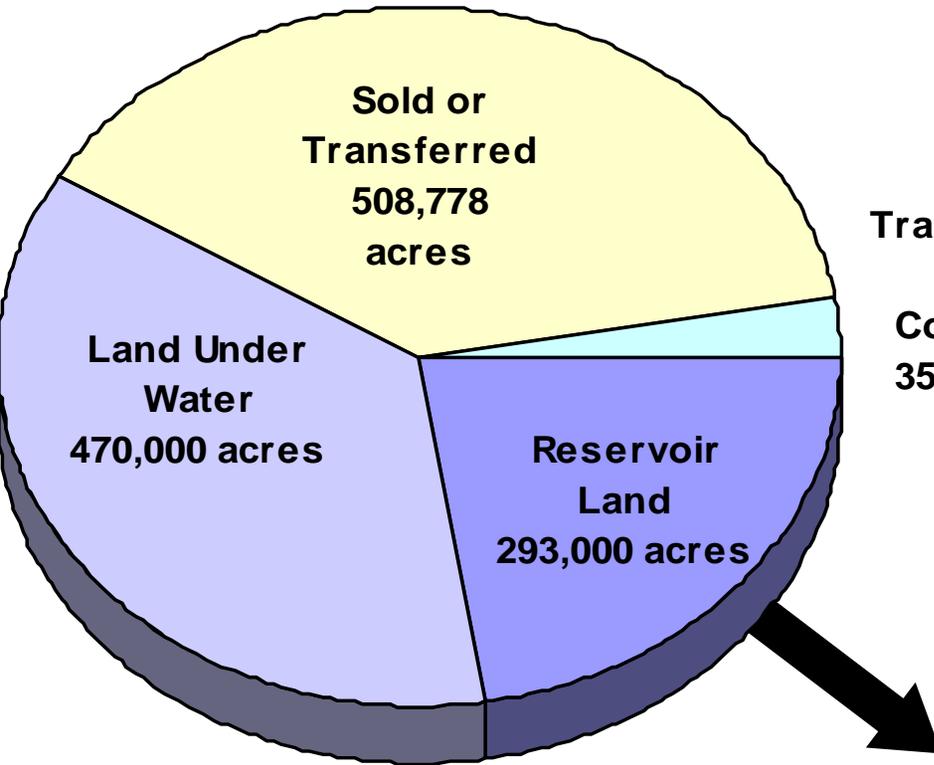
March 13, 2008

Why Develop a NRM Strategy?

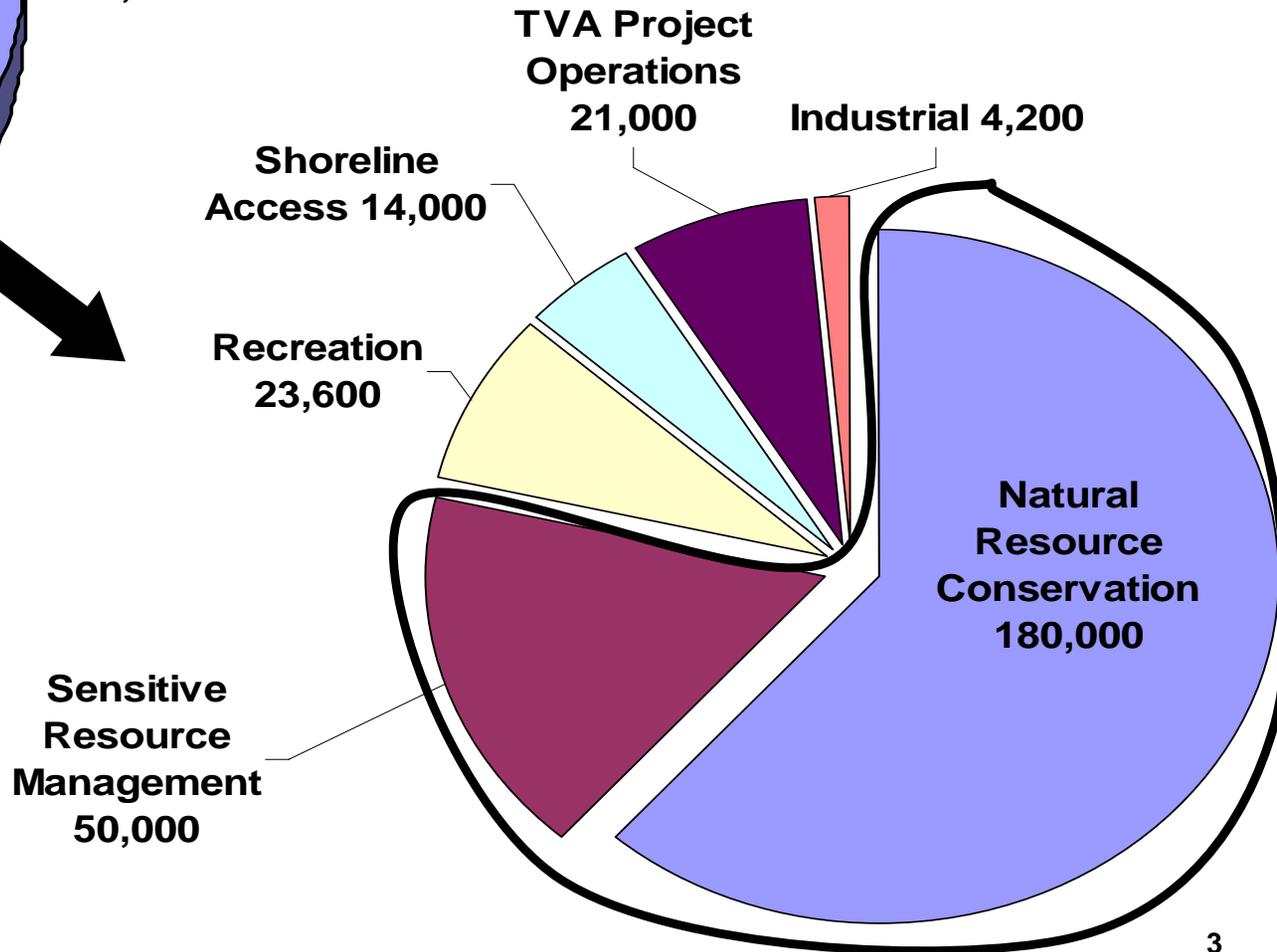
- Strengthen TVA's stewardship activities
- Align with Environmental Policy
- Carefully manage the limited natural resource land base
- Projected continued increase in non fee-based recreation that needs to be addressed
- Prioritize available resources



TVA Lands



**Power,
Transmission,
and
Commercial**
35,000 acres





Current Management Focus

- Inventory, monitor, and protect:
 - threatened and endangered (T&E) species
 - archaeological resources
- Manage natural resource areas for protection, enhancement, and recreation
- Develop partnerships to enhance public use

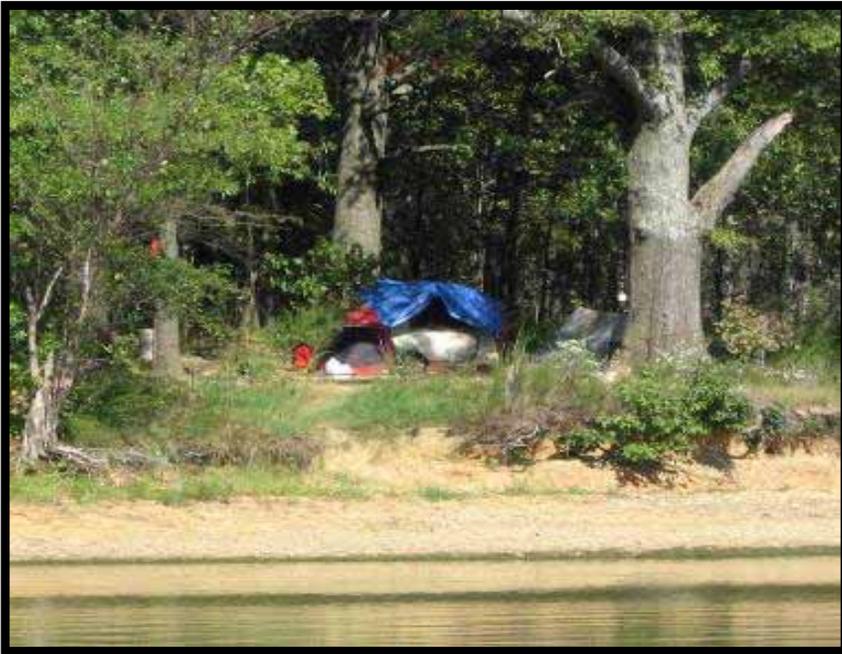
- Fishing



- 700 reservoir boat ramps
- 80 stream float/paddle sites
- 200 fishing berms & piers

Types of Public Use

- Informal recreation



- **Estimated 2,500 informal recreation sites**

Types of Public Use

- Trail-building partnerships
- Horseback riding



- **30 hiking trails totaling over 50 miles**

- Hunting
 - Large and small game
 - Opportunities for biodiversity enhanced through NWSG plantings and partnerships
- Target shooting



- **550 acres planted in native warm season grasses**

- Wildlife observation and birding



- **5 Ecological Study Areas**
- **111 Habitat Protection Areas**
- **31 Small Wild Areas**
- **6 Wildlife Observation Areas**
- **13,487 acres of Natural Areas**

- Threatened & endangered species



- 215 federally listed species
 - 53 plants and 162 animals
- Active monitoring for 17 species
- Cave gate protections

- Shoreline Stabilization



- **393 sites stabilized (75 miles)**
- **Includes 131 archaeologically sensitive sites (20 miles)**

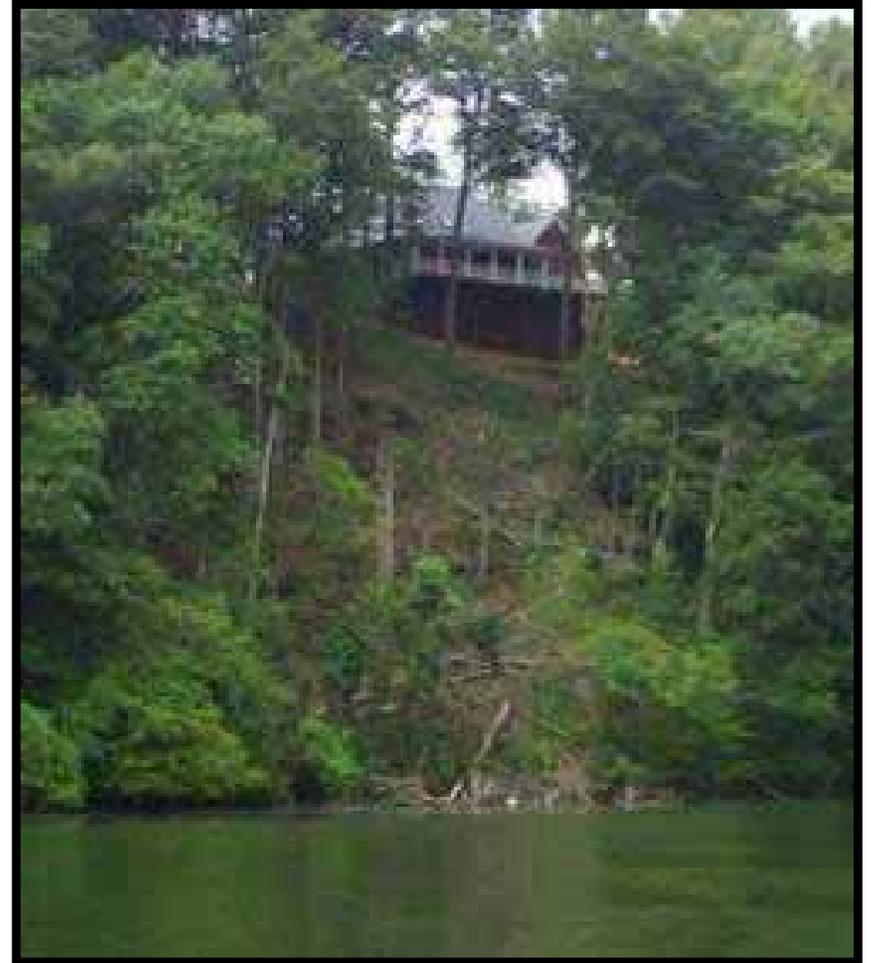


Abuses from Public Use

- Off-road vehicle (ORV) use



- Unauthorized tree clearing



Abuses from Public Use

- Homesteading



Abuses from Public Use

- Illegal clearing of wetland vegetation



- Looting of archaeological resources



- Illegal dumping



Other Impacts

- Beaver impoundments

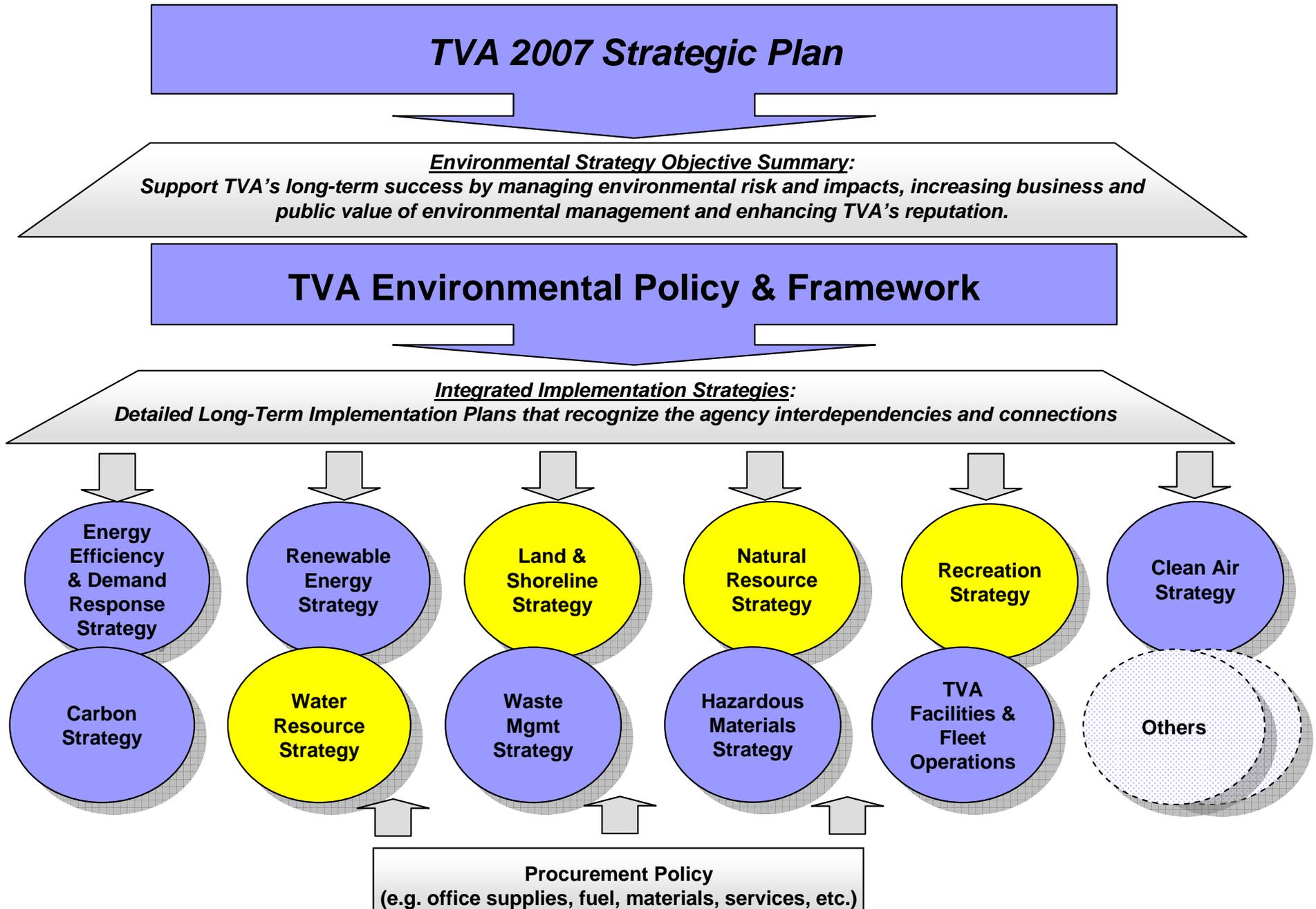


- Invasive Privet





Key Focus Areas





Benchmarking

- American Electric Power
- Arnold Engineering Development Corporation
- Bridgestone/Firestone
- British Petroleum (BP)
- Bureau of Land Management
- Bureau of Reclamation
- Detroit Energy
- Duke Power/Crescent Resources
- Evergreen Resources
- Georgia Power
- Peabody Energy
- Tennessee Division of Forestry
- Tennessee National Wildlife Refuge
- The Nature Conservancy
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- U. S. Forest Service
- Weyerhaeuser



Benchmarking Highlights

- Several entities participate in third-party certification
- Marketing and communications are a high priority
- Federal Energy Regulatory Commission (FERC) dictates level of NRM activities for IOUs
- Non-FERC entities have strong corporate citizenship and environmental responsibility, driven from top-level management
- Public agencies are experiencing increased public use and resource issues without additional funds for management activities
- Increased abuse of public lands is a growing problem throughout the country



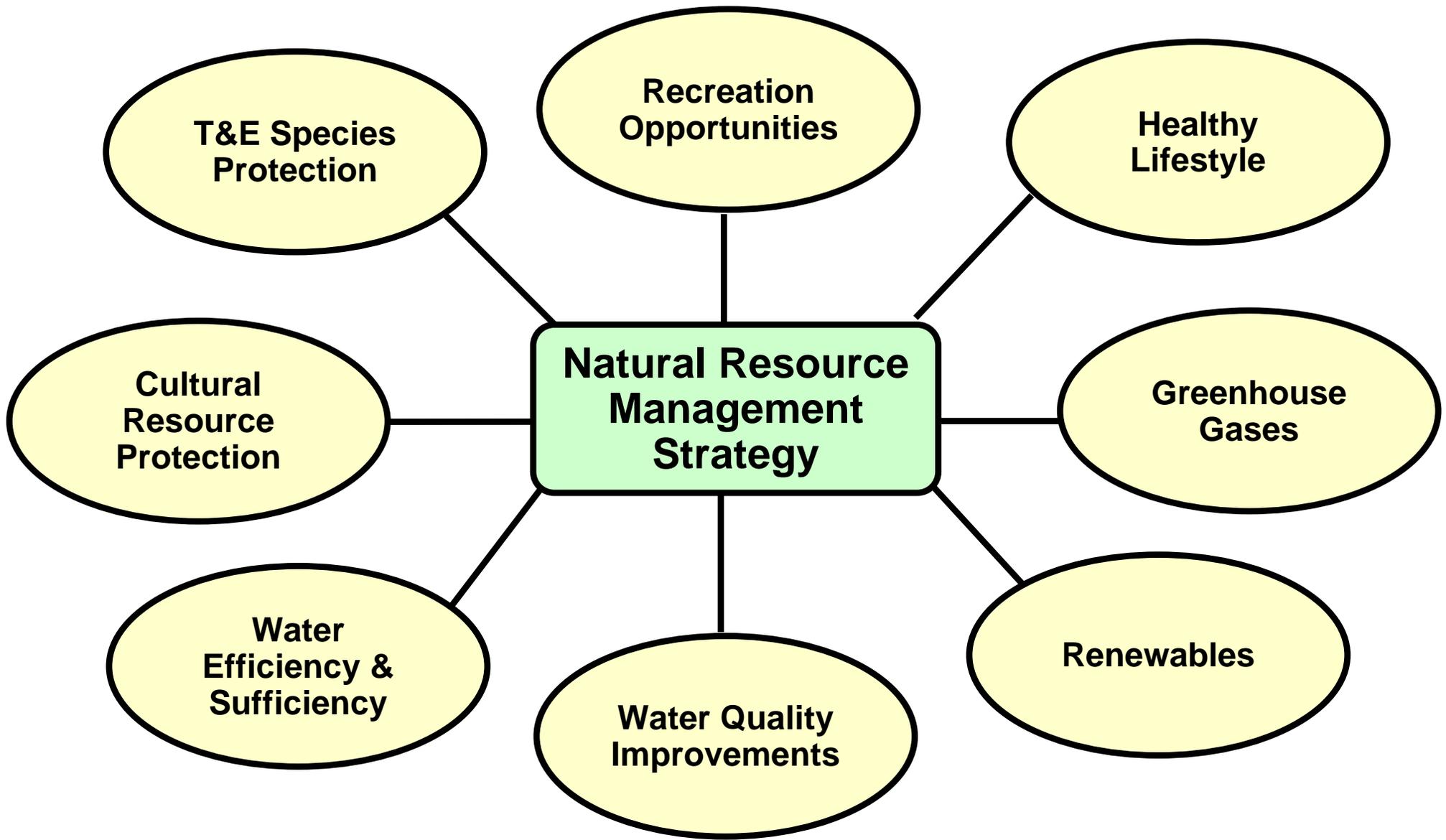
NRM Strategy

- Vision

- *Enhance and promote the public values of TVA-managed land by managing natural and cultural resources and associated recreation, for present and future generations*

- Guiding principles

- Help get people outdoors
- Manage the limited land base for multiple benefits
- Enhance and highlight the unique resources found on TVA-managed public lands
- Offset human impacts on the overall environment





Strategic Objective 1

- Use TVA recreation, natural, and cultural resource information to demonstrate the value of being outdoors
- *Goals*
 - Provide up-to-date information to the public about recreation opportunities using a variety of media
 - Promote the value of TVA-managed public lands to the quality of life in the Tennessee Valley
 - Communicate the availability and appropriate use of TVA-managed land and water



Strategic Objective 2

- Provide diverse, sustainable, and informal recreation opportunities while minimizing environmental impacts to natural and cultural resources
- *Goals*
 - Coordinate informal recreation opportunities on TVA lands with surrounding land owners
 - Plan for potential needs by evaluating and prioritizing public use and resources
 - Evaluate, minimize and mitigate public use impacts and improve resource conditions



Strategic Objective 3

- Demonstrate leadership in management and protection of natural and cultural resources
- *Goals*
 - Protect, manage, and enhance the appreciation of natural and cultural resources, and ecological diversity
 - Integrate the assessment, inventory, and monitoring of resource information
 - Develop an implementation process that has measurable results
 - Implement protective measures with adaptive management frameworks



Strategic Objective 4

- Seek and use collaboration, integration, and partnerships to increase efficiency and improve service delivery of resource management activities
- *Goals*
 - Engage new external partners in addressing incompatible public demands
 - Foster collaborative relationships that support resource planning, management, and protection
 - Promote and integrate the strategy principles throughout TVA
 - Appraise the value of management activities to the agency
 - Develop collaborative processes for data collection and sharing



Strategic Objective 5

- Reduce the impacts of human uses on the environment
- *Goals*
 - Explore actions that natural resource management could have to help in managing climate change
 - When and where appropriate, implement adaptive management techniques to reduce TVA's environmental footprint

Tomorrow's Discussion Question

- How can TVA improve the draft Natural Resource Management Strategy?



Next Steps

- Revise Recreation Strategy to link with NRM Strategy
- Internal comments
- External comments
- Finalize strategy – July 2008